

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

Please cancel claims 1-68 and add new claims 69-78.

69. (New) A chimeric peptide comprising:

a peptide having a first portion and a second portion, wherein the carboxyl terminus of the first portion is linked to the amino terminus of the second portion; and,

wherein the first portion is from the free N-terminus of a naturally-occurring internal peptide cleavage product which, when naturally-occurring in a mammal, is derived from a precursor protein or a mature protein and the second portion comprises a T helper cell epitope; or,

wherein the first portion comprises a T helper cell epitope and the second portion is from the free C-terminus of said naturally-occurring internal peptide cleavage product.

70. (New) The chimeric peptide according to claim 69, wherein said internal cleavage product is an amyloid  $\beta$  peptide, which when naturally-occurring, is derived from cleavage of  $\beta$  amyloid precursor protein ( $\beta$ APP).

71. (New) The chimeric peptide according to claim 70, wherein said internal peptide cleavage product has an amino acid sequence selected from the group consisting of A $\beta$ 1-39, A $\beta$ 1-40, A $\beta$ 1-41, A $\beta$ 1-42, and A $\beta$ 1-43.

72. (New) The chimeric peptide according to claim 69, wherein the first portion is A $\beta$ 1-3, A $\beta$ 1-4, or A $\beta$ 1-5 from the free N-terminus of said internal peptide cleavage product.

73. (New) The chimeric peptide according to claim 69, wherein the first portion is A $\beta$ 35-40 or A $\beta$ 35-42 from the free C-terminus of said internal peptide cleavage product.

74. (New) The chimeric peptide according to claim 69, wherein said T helper cell epitope binds to multiple MHC molecules.

75. (New) The chimeric peptide according to claim 69, wherein said T helper cell epitope is derived from tetanus toxoid, diphtheria toxoid, hepatitis B surface antigen, Malaria CS, *E. coli* toxoid, or a toxoid from other pathogenic bacteria.

76. (New) The chimeric peptide according to claim 75, wherein said T helper cell epitope has an amino acid sequence selected from the group consisting of SEQ ID NO: 45, SEQ ID NO: 46, SEQ ID NO: 49, and SEQ ID NO: 50.

77. (New) An immunogenic composition, comprising an immunogenically effective amount of the chimeric peptide according to claim 69 and a pharmaceutically acceptable carrier, excipient, diluent, or adjuvant.

78. (New) The immunogenic composition according to claim 77, wherein said adjuvant is alum.